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What is claimed is:

- A substantially purified polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, and fragments thereof.
 - 2. A substantially purified variant having at least 90% amino acid identity to the amino acid sequence of claim 1.
- 10 3. An isolated and purified polynucleotide encoding the polypeptide of claim 1.
 - 4. An isolated and purified polynucleotide variant having at least 90% polynucleotide sequence identity to the polynucleotide of claim 3.
- 5. An isolated and purified polynucleotide which hybridizes under stringent conditions to the polynucleotide of claim 3.
 - 6. An isolated and purified polynucleotide having a sequence which is complementary to the polynucleotide sequence of claim 3.
 - 7. An isolated and purified polynucleotide comprising a polynucleotide sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, and fragments thereof.
- 8. An isolated and purified polynucleotide variant having at least 90% polynucleotide sequence identity to the polynucleotide of claim 7.
 - 9. An isolated and purified polynucleotide having a sequence which is complementary to the polynucleotide of claim 7.
 - 10. An expression vector comprising at least a fragment of the polynucleotide of claim 3.
 - 11. A host cell comprising the expression vector of claim 10.



- 12. A method for producing a polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, and fragments thereof, the method comprising the steps of:
 - a) culturing the host cell of claim 11 under conditions suitable for the expression of the polypeptide; and
 - b) recovering the polypeptide from the host cell culture.
- 13. A pharmaceutical composition comprising the polypeptide of claim 1 in conjunction with a suitable pharmaceutical carrier.
- 10 14. A purified antibody which specifically binds to the polypeptide of claim 1.
 - 15. A purified agonist of the polypeptide of claim 1.
 - 16. A purified antagonist of the polypeptide of claim 1.

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- 17. A method for treating or preventing a disorder associated with decreased expression or activity of HORP, the method comprising administering to a subject in need of such treatment an effective amount of the pharmaceutical composition of claim 13.
- 20 18. A method for treating or preventing disorder associated with increased expression or activity of HORP, the method comprising administering to a subject in need of such treatment an effective amount of the antagonist of claim 16.
- A method for detecting a polynucleotide encoding the polypeptide comprising the
 amino acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, and fragments thereof in a biological sample, the method comprising the steps of:
 - (a) hybridizing the polynucleotide of claim 6 to at least one of the nucleic acids in the biological sample, thereby forming a hybridization complex; and

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- (b) detecting the hybridization complex, wherein the presence of the hybridization complex correlates with the presence of the polynucleotide encoding the polypeptide in the biological sample.
- The method of claim 19 further comprising amplifying the polynucleotide prior to hybridization.